

What is Claimed is:

- 1 1. A method of parsing an XML document, comprising the steps of:
2 defining type-specific object classes; and
3 associating the type-specific object classes with the XML document.
- 1 2. A system of parsing an XML document, comprising:
2 a computer capable of receiving the XML document;
3 a code for operating the computer;
4 means for calling the code; and
5 a class declaration locatable by the code.
- 1 3. A method of parsing an XML document, comprising the steps of:
2 acquiring the XML document;
3 associating the XML document with a call;
4 calling a code; and
5 creating a type specific object from the XML document because of the
6 code.
- 1 4. A method of generating type-specific objects from XML, comprising the
2 steps of:
3 calling a code that operates on XML;
4 processing the code;
5 locating type-specific class associations;

6 locating the type-specific class code via the step of processing; acquiring
7 the type-specific class code via the step of processing;
8 parsing the XML to obtain the type-specific objects, the step of parsing
9 being dictated by the type-specific class declarations from the step of locating and
10 according to a result of the step of processing.

1 5. A method of generating type-specific objects from a generic object,
2 comprising the steps of:
3 creating an XML document;
4 defining type-specific object classes corresponding to the type-specific
5 objects;
6 associating the type-specific object classes with the XML document;
7 parsing the XML document to instantiate the type-specific object classes;
8 and
9 obtaining the type-specific objects.

1 6. The method of claim 1, wherein the association is selected from
2 the group consisting of explicit association and implicit association.

3 7. The method of claim 6, wherein the explicit association is by specification
4 via the XML document or a DTD of the XML document.

5 8. The method of claim 6, wherein the implicit association is by publication
6 of type-specific classes, locators, or links to the Internet, a database, or a query engine.

7 9. The method of claim 2, wherein the means is associated with XML
8 document.

9 10. The method of claim 4, wherein the step of parsing is dictated by
10 intelligent parser or a parser that uses instantiation directives.

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